

Amendments to the Specification

Please replace the paragraph beginning at page 4, line 19, and ending at page 5, line 2 with the following rewritten paragraph:

-- An aspect of the present invention is an electromechanical functional module, which includes at least one transducer, at least one upper fiber cover layer, which is nonconducting and is positioned over the at least one transducer, at least one lower fiber cover layer, which is nonconducting and is positioned below the at least one transducer, at least one fiber interlayer, which is nonconducting with at least one cut-out for accommodating the at least one transducer having a first electrode and a second electrode, at least one upper electric [contract] contact strip that is integrally connected to the at least one upper fiber cover layer and in contact with the first electrode of the at least one transducer, and at least one lower electric [contract] contact strip that is integrally connected to the at least one lower fiber cover layer and in contact with the second electrode of the at least one transducer, wherein the at least one upper fiber cover layer, the at least one lower fiber cover layer and the at least one transducer are laminated together.--

Please replace the paragraph beginning at page 5, line 3, and ending at page 5, line 11 with the following rewritten paragraph:

-- By using fiber covering material a good connection is obtained between the functional module and the composite structure into which the functional module is built. The electric contact strips, which are integrally connected to the fiber covering layer, ensure a durable, reliable contact with the transducer, e.g. a piezoceramic. The electric contact strips are led through [are led through] the fiber covering layer to the outside. As a result of this process, the cutting of the fibers and disturbance of the fiber composite structure with resultant loss of strength does not occur. Lamination can include, but is not limited to, a resin matrix that is injected into the electromechanical functional module under a vacuum.--

Please replace the paragraph beginning at page 5, line 25, and ending at page 6, line 8 with the following rewritten paragraph:

--The following steps are proposed for the efficient and trouble-free production of the electromechanical functional modules described above:

laminating at least one upper electric contract strip to at least one upper fiber cover layer;

laminating at least one lower electric [contract] contact strip to at least one lower fiber cover layer;

positioning at least one transducer in a cut-out for at least one nonconducting fiber interlayer;

positioning the at least one upper fiber cover layer, which is nonconducting, over the at least one transducer; positioning the at least one lower fiber cover layer, which is nonconducting below the at least one transducer; and

injecting resin into the combination of the at least one transducer, the at least one upper fiber cover layer, the at least one lower fiber cover layer, and the least one fiber interlayer.

Please replace the paragraph beginning at page 15, line 6, and ending at page 15, line 20 with the following rewritten paragraph:

--An electromechanical functional module and associated process for production thereof, which includes at least one transducer, at least one upper fiber cover layer, which is nonconducting and is positioned over the at least one transducer having a first electrode and a second electrode, at least one lower fiber cover layer, which is nonconducting and is positioned below the at least one transducer, at least one fiber interlayer, which is nonconducting with at least one cut-out for accommodating the at least one transducer, at least one upper electric [contract] contact strip that is integrally connected to the at least one upper fiber cover layer and in contact with the first electrode of the at least one transducer, and at least one lower electric [contract] contact strip that is integrally connected to the at

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least one lower fiber cover layer and in contact with the second electrode of the at least one transducer, wherein the at least one upper fiber cover layer, the at least one lower fiber cover layer and the at least one transducer are laminated together. Lamination can include, but is not limited to, a resin matrix that is injected into the electromechanical functional module under a vacuum.--